

[54] **METHOD AND APPARATUS OF
DIGITIZING ANALOG RECORDS**[72] Inventor: **Arthur Samuel Slutsky**, 555 Shepherd
Avenue West, Downsview 473, Ontario,
Canada[22] Filed: **Aug. 24, 1970**[21] Appl. No.: **66,538**[52] U.S. Cl. **235/61.6 A**, 340/146.3 SY, 178/18[51] Int. Cl. **G06k 7/06**, G06k 9/00, G08b 5/00[58] Field of Search 235/61.6 A, 61.6 B, 61.111,
235/61.113; 240/347 A-347 D, 146.3 SY; 178/18,
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Primary Examiner—Daryl W. Cook*Attorney*—Arne I. Fors and Frank I. Piper

[57]

ABSTRACT

An analogue chart or record obtained from an automatic analyzer is positioned on a record-reading panel structure and a probe electrode is manually pushed through the chart at a desired position thereon, for example, at the peak of a curve, so as electrically to contact an underlying one of a number of mutually separated electrical contact strips. Individual conductors extend from all such strips to a decoding unit which provides a multi-digit decimal identification of the strip which is contacted by the probe electrode. The decoding unit is in turn coupled to a coding unit in which the decimal digits identifying the actuated strip are converted into a binary coded decimal form for subsequent sequential recording in a tape punch unit to provide an output in a form suitable for further processing in an off-line digital computer.

17 Claims, 6 Drawing Figures